

Message Text

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E.O. 11652: N/A

TAGS: TSPA

SUBJECT: CLEARANCE REQUEST FOR NASA CV-990 AIRCRAFT

1. DURING PERIOD 24 NOVEMBER TO 15 DECEMBER, NASA AMES RESEARCH CENTER AIRCRAFT WILL CONDUCT SERIES OF AIRBORNE SCIENCE RESEARCH FLIGHTS FROM MOFFETT FIELD, CALIFORNIA AND WASHINGTON-BALTIMORE AREA. BASIC PURPOSE OF FLIGHTS TO DETERMINE THE MINOR ATMOSPHERE CONSTITUENTS (SUCH AS NO, NOP, O3) IN JET STREAM AT ALTITUDES OF 9-12 KM (30,00 - 41,000 FT.). THIS EXPERIMENT IS PART OF NASA LEWIS RESEARCH CENTER GLOBAL AIR SAMPLING PROGRAM (GASP).

2. TIME AND ROUTE OF JET STREAM CANNOT BE PRECISELY DETERMINED UNTIL 24 HOURS OR LESS BEFORE EACH FLIGHT. NASA PLANS TO FLY BULK OF MISSIONS OVER U.S. TERRITORY IN ORDER TO KEEP FLIGHTS AS SHORT AS POSSIBLE, HOWEVER, JET STREAM MAY COVER PORTIONS OF SOUTHERN CANADA ON OCCASION NECESSITATING FLIGHTS OVER CANADIAN AIRSPACE.

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3. AIRCRAFT IS NASA OWNED CONVAIR 990A (CV-990) FOUR ENGINE, JET TRANSPORT; REGISTRATION NUMBER N712NA; CALL SIGN NASA 712.

4. GASP EXPERIMENT PAYLOAD CONTAINS AIR SAMPLING PROBES AND ANALYZERS. AIRCRAFT ALSO CARRIES ADDITIONAL INSTRUMENTS FOR USE IN OTHER NASA APPLICATIONS EXPERIMENTS. THESE INCLUDE UPWARD-LOOKING SPECTROMETER, SIDEWARD-LOOKING MICROWAVE RADIOMETER, DOWNWARD-LOOKING IMAGING RADAR, PHOTOGRAPHIC CAMERA AND LASER GEODOLITE (RANGE FINDER).

5. DOWNWARD LOOKING INSTRUMENTS, WHICH ARE NOT PART OF JET STREAM STUDY, CAN BE TURNED OFF IF GOC WISHES. NASA WOULD PREFER HOWEVER TO HAVE ALL OPERATING TO COLLECT AS MUCH DATA AS POSSIBLE.

6. ONE OR TWO GOC REPRESENTATIVES WOULD BE WELCOME ON BOARD AIRCRAFT BUT WOULD HAVE TO JOIN MISSION AT U.S. BASE OF OPERATIONS.

7. DATA CAN BE MADE AVAILABLE TO GOC IF REQUESTED.

8. PILOT WILL FILE INTERNATIONAL FLIGHT PLANS.

9. REQUEST CLEARANCE FOR ONE TO TWO OVERFLIGHTS DURING PERIOD 14 NOVEMBER - 15 DECEMBER AND ADVISE. INGERSOLL

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